

**Technical Work Group
of the Imperial Valley Study Group
Minutes of April 12, 2005 Meeting**

In attendance: David Barajas, Juan Carlos Sandoval, Mark Etherton, IID; John Kyei, CA ISO; Jonathan Woldemariam, Robert Jackson, Rich Sheaffer, SDG&E; Phillip Leung, SCE; Dale Stevens, MidAmerican; Ron Davis, Davis Power; Dave Olsen, CEERT/CEC; Clare Laufenberg Gallardo, CEC; Jim Kritikson, for Interger. Observers: Ken Bagley, CRT; Duane Torgerson, WAPA. The meeting convened at 8:30 AM and adjourned at 12:30 PM. Minutes were recorded by Dave Olsen.

Minutes Approved: Minutes of the March 31 and April 7 TWG meetings were approved. They will be posted on the IVSG website.

Statewide Impact View: The CEC has retained Ron Davis to analyze the impact at major buses around the state from adding the large amounts of renewable generation necessary to meet state RPS requirements. Ron offered to run statewide power flows on the three IVSG alternatives. This will provide the TWG additional information on the benefits each alternative provides, from a statewide impact perspective. The TWG is free to use this information in whatever way it chooses, or to disregard it. The TWG agreed to accept this offer. Ron will get the TWG datasets from David Barajas at IID.

Light Autumn Base Case: Mark Etherton/IID developed a new dispatch schedule (D3) for the Autumn cases. This schedules 1,000 MW from the Imperial Valley to SCE, in line with the stressing flows to Devers. Mark will circulate a final Light Autumn Rev4 base case April 14. Any comments on this must be received by Friday AM, April 15.

Light Autumn Power Flow Cases: IID/KR Saline will run the three study alternatives for the D1 and D3 dispatch schedules against the revised base case and circulate the results before the TWG phone meeting on April 22.

Heavy Summer Cases: Dale Stevens pointed out that in the Alternative 4a and 4b runs, the transformer at Highline was left open. Mark will re-run those cases and circulate them. There was agreement to set series compensation on the San Felipe-SD Central 500 kV line at 50% in the base case. SDG&E will run sensitivities on this. The proposed new substations at Midpoint and Blythe were added to the Light Autumn cases, we will account for them in the Heavy Summer cases as well.

Stability Analysis: The generator model of Salton Sea Unit 6 will be done in time to use in our stability studies. After substantial review of the most appropriate outages to model, Mark Etherton agreed to develop and circulate a list. SDG&E will send switching decks to IID for use in the stability runs. The TWG agreed to keep May 12 as the target date for completing the stability runs.

Final Report: The IVSG is scheduled to complete and file its recommended development plan on June 30, 2005. The draft outline of this report is attached as a separate file. IID

agreed to take lead responsibility for preparing the technical sections of this report (Chapters 2, 3 and 4 on the outline).

Presentation to STEP: IID agreed to present a report on the IVSG study alternatives and power flow results at the next STEP meeting, April 27, at Sempra in San Diego. SDG&E will present a separate report on its preferred alternative for its 500 kV project at that same meeting.

Next Meetings:

April 22, 2005 (Friday), 10:00 AM: Conference call. We will review the results of the Light Autumn power flow cases on this call, and our presentation to STEP on 4/27. The call-in number is 877-842-5648; passcode 686710.

May 12 (Thursday), 3:00 PM. Phone meeting to review stability runs, and organize production simulations.

May 19 (Thursday), 3:00 PM. Phone meeting. Review report writing assignments.

May 26, in-person meeting, 10:30-3:30, at Sempra, San Diego to review production simulation results and finalize our technical report.

June 2: IVSG meeting, at Sempra, San Diego. Present our technical report to the full Study Group.